

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/578,699
Filing Date: March 7, 2007
Applicant: Anders Thornell-Pers
Group Art Unit: 2821
Confirmation No. 3693
Examiner: Robert Karacsony
Title: CONTROLLABLE MULTI-BAND ANTENNA DEVICE AND PORTABLE RADIO COMMUNICATION DEVICE COMPRISING SUCH AN ANTENNA DEVICE
Attorney Docket: 9062A-000109/US/NP

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

LETTER

Sir:

Attached for the Examiner's consideration is a copy of Japanese Publication No. 10-190347 and an English translation of the abstract. Applicant submits a copy of this Japanese Publication No. 10-190347 to the Examiner in the event that the Examiner has not already reviewed and considered the same. But Applicant notes that paragraph [0004] of the instant application as published as US20070241970 states:

[0004] The number of frequency bands in passive antennas is limited by the size of the antenna. To be able to further increase the number of frequency bands and/or decrease the antenna size, active frequency control can be used. An example of active frequency control is disclosed in the Patent Abstracts of Japan 10190347, which discloses a patch antenna device capable of coping with plural frequencies. To this end there are provided a basic patch part and an additional patch part which are interconnected by means of PIN diodes arranged to selectively interconnect and disconnect the patch parts. Although this provides for a frequency control, the antenna device still has a large size and is not well adapted for switching between two or more relatively spaced apart frequency bands, such as between the GSM and DCS/PCS bands. Instead, this example of prior art devices is typical in that switching in and out of additional patches has been used for tuning instead of creating additional frequency band at a distance from a first frequency band.

Despite Japanese Publication No. 10-190347 being cited and described in the fourth paragraph of the instant application, Applicant lists Japanese Publication No. 10-190347 below for the Examiner's convenience should the Examiner wish to review, consider, and make this document of record in a Supplemental Notice of Allowance.

Listing of Reference

FOREIGN PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
1.		JP 10-190347	07/21/1998	Japan		X-abstract only

Applicant also notes that the Supplemental Information Disclosure and corresponding Form 1449 submitted on April 20, 2010 erroneously identified the Office Action (for which a copy was provided on April 20, 2010) issued from Swedish Patent Application No. 0302979-0 as an Office Action dated June 4, 2004 issued in Korean Patent Application No. 10-2006-7007866. Notably, a copy of the correct Office Action was provided and the Examiner presumably reviewed the Office Action as the citation was not crossed off. This notwithstanding, Applicant provides another copy of the Office Action issued from Swedish Patent Application No. 0302979-0, to which the instant application claims priority. Applicant also lists the Office Action.

OTHER DOCUMENTS

Ref. Desig.	Examiner's Initials	
2.		Office Action issued from Swedish Patent Application No. 0302979-0.

If it is determined that this letter has been filed under the wrong rule, the PTO is requested to consider this letter under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750. In addition, if there is ever any fee deficiency or overpayment of fees in connection with this patent application, the Commissioner is authorized to charge any deficiency or credit any overpayment to Deposit Account No. **08-0750**.

Respectfully submitted,

/Anthony G. Fussner/

By: _____

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